

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

A completed **Standard Inspection Report** is to be submitted to the Director within 60 days from completion of the inspection. A **Post Inspection Memorandum (PIM)** is to be completed and submitted to the Director within 30 days from the completion of the inspection, or series of inspections, and is to be filed as part of the **Standard Inspection Report**.

Inspection Report		Post Inspection Memorandum	
Inspector/Submit Date: _____		Inspector/Submit Date: _____	
		Peer Review/Date: _____	
		Director Approval/Date: _____	
POST INSPECTION MEMORANDUM (PIM)			
Name of Operator:		OPID #:	
Name of Unit(s):		Unit #(s):	
Records Location:			
Unit Type & Commodity:			
Inspection Type:		Inspection Date(s):	
PHMSA Representative(s):		AFO Days:	

Summary:

Findings:

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

Name of Operator:			
OP ID No. ⁽¹⁾		Unit ID No. ⁽¹⁾	
HQ Address:		System/Unit Name & Address: ⁽¹⁾	
Co. Official: Phone No.: Fax No.: Emergency Phone No.:		Activity Record ID No.: Phone No.: Fax No.: Emergency Phone No.:	
Persons Interviewed	Title	Phone No.	
PHMSA Representative(s) ⁽¹⁾		Inspection Date(s) ⁽¹⁾	
Company System Maps (Copies for Region Files):			

Unit Description:

Portion of Unit Inspected: ⁽¹⁾

For gas transmission pipeline inspections, the attached evaluation form should be used in conjunction with 49 CFR 191 and 192 during PHMSA inspections. For those operators, procedures do not have to be evaluated for content unless: 1) new or amended regulations have been placed in force after the team inspection, or 2) procedures have changed since the team inspection. Items in the procedures sections of this form identified with “*” reflect applicable and more restrictive new or amended regulations that became effective between 03/16/04 and 03/16/09.

¹ Information not required if included on page 1.

Procedures - Reporting

*** 1. Immediate Reporting: Incidents (detail)** *Is there a process to immediately report incidents to the National Response Center?* (RPT.RR.IMMEDREPORT.P) (detail)

191.5(b) (191.7)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

*** 2. Incident Reports (detail)** *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident?* (RPT.RR.INCIDENTREPORT.P) (detail)

191.15(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Supplemental Incident Reports (detail) *Does the process require preparation and filing of supplemental incident reports?* (RPT.RR.INCIDENTREPORTSUPP.P) (detail)

191.15(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

*** 4. National Registry of Pipeline and LNG Operators (OPID) (detail)** *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.P) (detail)

191.22	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Safety Related Condition Reports (detail) *Do the procedures require reporting of safety-related conditions?* (RPT.RR.SRCR.P) (detail)

192.605(a) (191.23(a); 191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Offshore Pipeline Condition Reports (detail) *Does the process require reports to be submitted within 60 days after completing inspection of underwater pipelines in GOM and its inlets?* (RPT.RR.OPCR.P) (detail)

191.27(a) (191.27(b); 192.612(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Safety Related Conditions (detail) *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?* (MO.GO.SRC.P) (detail)

192.605(d)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Procedures - Customer Notification

1. Customer Notification (detail) *Is a customer notification process in place that satisfies the requirements of 192.16?* (MO.GO.CUSTNOTIFY.P) (detail)

192.13(c) (192.16(a); 192.16(b); 192.16(c); 192.16(d))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Conversion to Service

1. Conversion to Service (detail) *If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements?* (MO.GC.CONVERSION.P) (detail)

192.14(a) (192.14(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Normal Operations

1. Normal Maintenance and Operations (detail) *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?* (MO.GO.OMANNUALREVIEW.P) (detail)

192.605(a)

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Normal Operations and Maintenance Procedures - History (detail) *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.P) (detail)

192.605(a) (192.605(b)(3))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

3. Normal Operations and Maintenance Procedures (detail) *Does the process include procedures for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices?* (MO.GOMAOP.MAOPLIMIT.P) (detail)

192.605(a) (192.605(b)(5))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

4. Normal Operations and Maintenance Procedures - Review (detail) *Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?* (MO.GO.OMEFFECTREVIEW.P) (detail)

192.605(a) (192.605(b)(8))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

5. Safety While Making Repairs (detail) Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property? (AR.RMP.SAFETY.P) (detail)

192.605(b)(9) (192.713(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Holders (detail) Does the process include systematic and routine testing and inspection of pipe-type or bottle-type holders? (MO.GM.HOLDER.P) (detail)

192.605(a) (192.605(b)(10))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Gas Odor Response (detail) Does the process require prompt response to the report of a gas odor inside or near a building? (MO.GO.ODDOR.P) (detail)

192.605(a) (192.605(b)(11))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Abnormal Operations

1. Abnormal Operations (detail) Does the process include procedures for responding to, investigating, and correcting the cause of the listed abnormal operating conditions? (MO.GOABNORMAL.ABNORMAL.P) (detail)

192.605(a) (192.605(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Abnormal Operations (detail) Does the process include procedures for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation? (MO.GOABNORMAL.ABNORMALCHECK.P) (detail)

192.605(a) (192.605(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

3. Abnormal Operations (Notify) (detail) Does the process include procedures for notifying responsible operator personnel when notice of an abnormal operation is received? (MO.GOABNORMAL.ABNORMALNOTIFY.P) (detail)

192.605(a) (192.605(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

4. Abnormal Operations Review (detail) Does the process include procedures for periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation and taking corrective action where deficiencies are found? (MO.GOABNORMAL.ABNORMALREVIEW.P) (detail)

192.605(a) (192.605(c)(4))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Class Location

1. Change in Class Location Required Study (detail) Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS? (MO.GOCCLASS.CLASSLOCATESTUDY.P) (detail)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c);
192.609(d); 192.609(e); 192.609(f))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

*** 2. Change in Class Location Confirmation or Revision of MAOP (detail)** Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location? (MO.GOCCLASS.CLASSLOCATEREV.P) (detail)

192.605(b)(1) (192.611(a); 192.611(b); 192.611(c);
192.611(d))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Continuing Surveillance

1. Continuing Surveillance (detail) Does the process include procedures for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists? (MO.GO.CONTSURVEILLANCE.P) (detail)

192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Damage Prevention

1. Damage Prevention Program (detail) Is a damage prevention program approved and in place? (PD.OC.PDPROGRAM.P) (detail)

192.614(a)

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Emergency Operations

1. Receiving Notices (detail) Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response? (EP.ERG.NOTICES.P) (detail)

192.615(a)(1)

Sat+

Sat

Concern

Unsat

NA

NC

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

2. Emergency Response Communication (detail) *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials? (EP.ERG.COMMSYS.P) (detail)*

192.615(a) (192.615(a)(2))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

*** 3. Emergency Response (detail)** *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster? (EP.ERG.RESPONSE.P) (detail)*

192.615(a) (192.615(a)(3); 192.615(a)(11); 192.615(b)(1))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

4. Emergency Response (detail) *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency? (EP.ERG.READINESS.P) (detail)*

192.615(a) (192.615(a)(4))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

5. Emergency Response - Actions (detail) *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property? (EP.ERG.PUBLICPRIORITY.P) (detail)*

192.615(a) (192.615(a)(5))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Emergency Response (detail) *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property? (EP.ERG.PRESSREDUCESD.P) (detail)*

192.615(a) (192.615(a)(6))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Emergency Response - Hazards (detail) *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property? (EP.ERG.PUBLICHAZ.P) (detail)*

192.605(a) (192.615(a)(7))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

8. Public Official Notification (detail) *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency? (EP.ERG.AUTHORITIES.P) (detail)*

192.615(a) (192.615(a)(8))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

9. Service Outage Restoration (detail) Does the emergency plan include procedures for safely restoring any service outage? (EP.ERG.OUTAGERESTORE.P) (detail)

192.615(a) (192.615(a)(9))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

10. Incident Investigation Actions (detail) Does the process include procedures for beginning action under §192.617, if applicable, as soon after the end of the emergency as possible? (EP.ERG.INCIDENTACTIONS.P) (detail)

192.615(a) (192.615(a)(10))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Emergency Response Training (detail) Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective? (EP.ERG.TRAINING.P) (detail)

192.615(b)(2)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

12. Emergency Response Performance (detail) Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency? (EP.ERG.POSTEVTREVIEW.P) (detail)

192.615(b)(3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Liaison with Public Officials (detail) Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners? (EP.ERG.LIAISON.P) (detail)

192.615(c) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3);
192.615(c)(4); ADB-05-03)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Public Awareness

1. Public Education Program (detail) Has the continuing public education (awareness) program been established as required? (PD.PA.PROGRAM.P) (detail)

192.616(a) (192.616(h))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Management Support of Public Awareness Program (detail) Does the operator's program documentation demonstrate management support? (PD.PA.MGMTSUPPORT.P) (detail)

192.616(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

3. Asset Identification (detail) Does the program clearly identify the specific pipeline systems and facilities to be included in the program, along with the unique attributes and characteristics of each? (PD.PA.ASSETS.P) (detail)

192.616(b) (API RP 1162 Section 2.7 Step 4)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

4. Audience Identification (detail) Does the program establish methods to identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents? (PD.PA.AUDIENCEID.P) (detail)

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

5. Messages, Delivery Methods, and Frequencies (detail) Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported? (PD.PA.MESSAGES.P) (detail)

192.616(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Consideration of Supplemental Enhancements (detail) Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162? (PD.PA.SUPPLEMENTAL.P) (detail)

192.616(c) (API RP 1162 Section 6.2)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Other Languages (detail) Does the program require that materials and messages be provided in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas? (PD.PA.LANGUAGE.P) (detail)

192.616(g) (API RP 1162 Section 2.3.1)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

8. Evaluation Plan (detail) Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated? (PD.PA.EVALPLAN.P) (detail)

192.616(i) (192.616(c); API RP 1162 Section 8; API RP 1162 Appendix E)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Failure Investigation

1. Incident Investigation (detail) Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence? (EP.ERG.INCIDENTANALYSIS.P) (detail)

192.617

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - MAOP

1. Maximum Allowable Operating Pressure Determination (detail) Does the process include procedures for determining the maximum allowable operating pressure for a pipeline segment in accordance with §192.619? (MO.GOMAOP.MAOPDETERMINE.P) (detail)

192.605(b)(1) (192.619(a); 192.619(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Pressure Testing

1. Test Acceptance Criteria and Procedures (detail) Were test acceptance criteria and procedures sufficient to assure the basis for an acceptable pressure test? (AR.PTI.PRESSTESTACCEP.P) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d); 192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Uprating

1. Uprating (detail) Is the pressure uprating process consistent with the requirements of 192.553? (MO.GO.UPRATE.P) (detail)

192.13(c) (192.553(a); 192.553(b); 192.553(c); 192.553(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Odorization

1. Odorization of Gas (detail) Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625? (MO.GOODOR.ODORIZE.P) (detail)

192.605(b)(1) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Hot Tapping

1. Tapping Pipelines Under Pressure (detail) *Is the process adequate for tapping pipelines under pressure?* (AR.RMP.HOTTAP.P) (detail)

192.605(b)(1) (192.627)

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Qualification of Personnel Tapping Pipelines under Pressure (detail) *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?* (TQ.QU.HOTTAPQUAL.P) (detail)

192.627 (192.805(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Purge

1. Pipeline Purging (detail) *Does the process include requirements for purging of pipelines in accordance with 192.629?* (MO.GO.PURGE.P) (detail)

192.605(b)(1) (192.629(a); 192.629(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures – Control Room Management

See separate question set "Control Room Management"

Procedures - Patrol and Leak Survey

1. Patrolling Requirements (detail) *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?* (PD.RW.PATROL.P) (detail)

192.705(a) (192.705(b); 192.705(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Leakage Surveys (detail) *Does the process require leakage surveys to be conducted?* (PD.RW.LEAKAGE.P) (detail)

192.706 (192.706(a); 192.706(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Line Marker

1. ROW Markers Requirements (detail) *Does the process adequately cover the requirements for placement of ROW markers? (PD.RW.ROWMARKER.P) (detail)*

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Records

1. Transmission Lines Record Keeping (detail) *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.P) (detail)*

192.605(b)(1) (192.709(a); 192.709(b); 192.709(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Repair

1. Transmission Lines Permanent Field Repair of Defects (detail) *Is the process adequate for the permanent field repair of defects in transmission lines? (AR.RMP.FIELDREPAIRDEFECT.P) (detail)*

192.605(b)(1) (192.713(a); 192.713(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Transmission Lines Permanent Field Repair of Welds (detail) *Is the process adequate for the permanent field repair of welds? (AR.RMP.FIELDREPAIRWELDS.P) (detail)*

192.605(b) (192.715(a); 192.715(b); 192.715(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

3. Transmission Lines Permanent Field Repair of Leaks (detail) *Is there an adequate process for the permanent field repair of leaks on transmission lines? (AR.RMP.FIELDREPAIRLEAK.P) (detail)*

192.605(b) (192.717(a); 192.717(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

4. Transmission Lines Testing of Repairs (detail) *Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTTEST.P) (detail)*

192.605(b) (192.719(a); 192.719(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Abandonment/Deactivation

1. Abandonment or Deactivation of Pipe and Facilities (detail) Does the process include procedures for the abandonment and deactivation of pipelines that are in accordance with 192.727? (MO.GM.ABANDONPIPE.P) (detail)

192.605(b)(1) (192.727(a); 192.727(b); 192.727(c);
192.727(d); 192.727(e); 192.727(f); 192.727(g))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Compressor Station

1. Compressor Station Design/Construction - Maintenance (detail) Does the process have sufficient detail for maintaining compressor stations, including provisions for isolating units or sections of pipe and for purging before returning to service? (FS.CS.CMPMAINT.P) (detail)

192.605(b)(6)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Compressor Station Design/Construction - Start-Up and Shut-Down (detail) Does the process for start-up and shut-down have sufficient detail to ensure start-up and shut-down of compressor units in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices? (FS.CS.CMPSUSD.P) (detail)

192.605(b)(5) (192.605(b)(7))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

3. Compressor Station Design/Construction - Pressure Relief (detail) Does the process provide adequate detail for inspection and testing of compressor station pressure relief devices with the exception of rupture disks? (FS.CSSYSROT.CMPRELIEF.P) (detail)

192.605(b)(1) (192.731(a); 192.731(b); 192.731(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

4. Compressor Stations - Storage of Combustible Materials (detail) Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.P) (detail)

192.303 (192.735(a); 192.735(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

5. Compressor Station Design/Construction - Permanent Gas Detection (detail) Does the process adequately detail requirements of permanent gas detectors and alarms at compressor buildings? (FS.CSSYSROT.CMPGASDETREQ.P) (detail)

192.605(b) (192.736(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Pressure Regulation

1. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment at intervals not exceeding 15 months, but at least once each calendar year as required? (MO.GMOPP.PRESSREGTEST.P) (detail)*

192.605(b)(1) (192.739(a); 192.739(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Pressure Limiting and Regulating Stations Capacity of Relief Devices (detail) *Does the process include procedures for ensuring, either by testing or a review of calculations, at intervals not exceeding 15 months, but at least once each calendar year, that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations has sufficient capacity, and for installing a new or additional device if a relief device is determined to have insufficient capacity? (MO.GMOPP.PRESSREGCAP.P) (detail)*

192.605(b)(1) (192.743(a); 192.743(b); 192.743(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Valve Maintenance

1. Valve Maintenance Transmission Lines (detail) *Does the process include procedures for inspecting and partially operating each transmission line valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable? (MO.GM.VALVEINSPECT.P) (detail)*

192.605(b)(1) (192.745(a); 192.745(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Vault

1. Vault Inspection (detail) *Does the process provide adequate direction for inspecting vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment and are inspections to be performed at the required interval? (FS.FG.VAULTINSPECTFAC.P) (detail)*

192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Ignition

1. Prevention of Accidental Ignition (detail) *Does the manual include procedures for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion? (MO.GM.IGNITION.P) (detail)*

192.605(b)(1) (192.751(a); 192.751(b); 192.751(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

Procedures - Welding

1. Welding Procedures (detail) Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail? (DC.WELDPROCEDURE.WELD.P) (detail)

192.225(a) (192.225(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

*** 2. Qualification of Welders (detail)** Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST.WELDER.P) (detail)

192.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Qualification of Welders for Low Stress Pipe (detail) Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192? (TQ.QUOMCONST.WELDERLOWSTRESS.P) (detail)

192.227(b) (192.225(a); 192.225(b); 192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Limitations on Welders (detail) Does the process require certain limitations be placed on welders? (DC.WELDERQUAL.WELDERLIMITNDT.P) (detail)

192.303 (192.229(a); 192.229(b); 192.229(c); 192.229(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Welding Weather (detail) Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? (DC.WELDPROCEDURE.WELDWEATHER.P) (detail)

192.303 (192.231)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Miter Joints (detail) Does the process prohibit the use of certain miter joints? (DC.WELDPROCEDURE.MITERJOINT.P) (detail)

192.303 (192.233(a); 192.233(b); 192.233(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Preparation for Welding (detail) Does the process require certain preparations for welding, in accordance with §192.235? (DC.WELDPROCEDURE.WELDPREP.P) (detail)

192.303 (192.235)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

8. Inspection and Test of Welds (detail) *Does the process require visual inspections of welds to be conducted by qualified inspectors? (DC.WELDINS.P.WELDVISUALQUAL.P) (detail)*

192.303 (192.241(a); 192.241(b); 192.241(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

9. Repair or Removal of Weld Defects (detail) *Does the process require welds that are unacceptable to be removed and/or repaired as specified by §192.245? (DC.WELDINS.P.WELDREPAIR.P) (detail)*

192.303 (192.245(a); 192.245(b); 192.245(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - NDT

1. Nondestructive Test and Interpretation Procedures (detail) *Is there a process for nondestructive testing and interpretation? (DC.WELDINS.P.WELDNDT.P) (detail)*

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(d); 192.243(e).)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Pipeline Joining

1. Plastic Pipe Joints (detail) *Does the process require plastic pipe joints to be designed and installed in accordance with §192.281? (DC.CO.PLASTICJOINT.P) (detail)*

192.303 (192.281(a); 192.281(b); 192.281(c); 192.281(d); 192.281(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Marking of Materials (detail) *Does the process require pipe, valves, and fittings to be marked? (DC.MA.MARKING.P) (detail)*

192.53(a) (192.53(b); 192.53(c); 192.63(a); 192.63(b); 192.63(c); 192.63(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

3. Plastic pipe - Qualifying Joining Procedures (detail) *Does the process require plastic pipe joining procedures to be qualified in accordance with §192.283, prior to making plastic pipe joints? (DC.CO.PLASTICJOINTPROCEDURE.P) (detail)*

192.283(a) (192.283(b); 192.283(c); 192.283(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

4. Plastic pipe - Qualifying Joining Procedures (detail) *Is a process in place to ensure that personnel making joints in plastic pipelines are qualified? (DC.CO.PLASTICJOINTQUAL.P) (detail)*

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.805)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Is a process in place to assure that persons who inspect joints in plastic pipes are qualified? (DC.CO.PLASTICJOINTINS.P) (detail)*

192.287 (192.805(h))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Procedures - Corrosion Control

1. Corrosion Control Personnel Qualification (detail) *Does the process require corrosion control procedures to be carried out by, or under the direction of, qualified personnel? (TQ.QU.CORROSION.P) (detail)*

192.453 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. New Buried Pipe Coating (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by §192.455(b)? (TD.COAT.NEWPIPE.P) (detail)*

192.605(b)(2) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Conversion to Service - Pipe Coating (detail) *Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)? (TD.COAT.CONVERTPIPE.P) (detail)*

192.605(b)(2) (192.452(a); 192.455(a)(1); 192.455(a)(2); 192.455(b); 192.461(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Cathodic Protection post July 1971 (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering? (TD.CP.POST1971.P) (detail)*

192.605(b)(2) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

5. Use of Aluminum (detail) Does the process give adequate guidance for the installation of aluminum in a submerged or buried pipeline? (TD.CP.ALUMINUM.P) (detail)

192.605(b)(2) (192.455(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Cathodic Protection pre August 1971 (detail) Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations must be cathodically protected in areas where active corrosion is found in accordance with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail)

192.605(b)(2) (192.457(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Examination of Exposed Portions of Buried Pipe (detail) Does the process require that exposed portions of buried pipeline must be examined for external corrosion? (TD.CPEXPOSED.EXPOSEINSPECT.P) (detail)

192.605(b)(2) (192.459)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

8. Further Examination of Exposed Portions of Buried Pipe (detail) Does the process require further examination of exposed buried pipe if corrosion is found? (TD.CPEXPOSED.EXPOSECORRODE.P) (detail)

192.605(b)(2) (192.459)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

9. Cathodic Protection Monitoring Criteria (detail) Does the process require CP monitoring criteria to be used that is acceptable? (TD.CPMONITOR.MONITORCRITERIA.P) (detail)

192.605(b)(2) (192.463(a); 192.463(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

10. Cathodic Protection of Amphoteric Metals (detail) Does the process describe criteria to be used for cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline? (TD.CP.AMPHOTERIC.P) (detail)

192.605(b)(2) (192.463(b); 192.463(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Cathodic Protection Monitoring (detail) Does the process adequately describe how to monitor CP that has been applied to pipelines? (TD.CPMONITOR.TEST.P) (detail)

192.605(b)(2) (192.465(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

12. Rectifiers or other Impressed Current Sources (detail) *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?* (TD.CPMONITOR.CURRENTTEST.P) (detail)

192.605(b)(2) (192.465(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Bonds, Diodes, and Reverse Current Switches (detail) *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.P) (detail)

192.605(b)(2) (192.465(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

14. Correction of Corrosion Control Deficiencies (detail) *Does the process require that the operator correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.P) (detail)

192.605(b)(2) (192.465(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

15. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?* (TD.CP.UNPROTECT.P) (detail)

192.605(b)(2) (192.465(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

16. Isolation from Other Metallic Structures (detail) *Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?* (TD.CP.ELECISOLATE.P) (detail)

192.605(b)(2) (192.467(a); 192.467(b); 192.467(c);
192.467(d); 192.467(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

17. Test Leads Installation (detail) *Does the process provide adequate instructions for the installation of test leads?* (TD.CPMONITOR.TESTLEAD.P) (detail)

192.605(b)(2) (192.471(a); 192.471(b); 192.471(c); 192.469)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

18. Interference Currents (detail) *Does the process give sufficient guidance and detail for identifying areas of potential stray current so the detrimental effects of stray currents can be minimized through a continuing program?* (TD.CPMONITOR.INTFRCURRENT.P) (detail)

192.605(b)(2) (192.473(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

19. Internal Corrosion (detail) *If the process does not preclude corrosive gas to be transported by pipeline, does the process also require that the corrosive effect of the gas on the pipeline be investigated and steps be taken to minimize internal corrosion?* (TD.ICP.CORRGAS.P) (detail)

192.605(b)(2) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

20. Internal Corrosion in Cutout Pipe (detail) *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.P) (detail)

192.605(b)(2) (192.475(a); 192.475(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

21. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of §192.476?* (DC.DPC.INTCORRODE.P) (detail)

192.453 (192.476(a); 192.476(b); 192.476(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

22. Internal Corrosion Corrosive Gas Actions (detail) *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.P) (detail)

192.605(b)(2) (192.477)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

23. Atmospheric Corrosion (detail) *Does the process give adequate guidance for protecting above ground pipe from atmospheric corrosion?* (TD.ATM.ATMCORRODE.P) (detail)

192.605(b)(2) (192.479(a); 192.479(b); 192.479(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

24. Atmospheric Corrosion Monitoring (detail) *Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.P) (detail)

192.605(b)(2) (192.481(a); 192.481(b); 192.481(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

25. Repair of Internally Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to repair or replace pipe that has internally corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?* (TD.ICP.REPAIR.P) (detail)

192.491(c) (192.485(a); 192.485(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

26. Evaluation of Internally Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to evaluate the remaining strength of pipe that has been internally corroded?* (TD.ICP.EVALUATE.P) (detail)

192.605(b)(2) (192.485(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

27. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CP.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Procedures - Offshore GOM Inspection

1. Requirement to Identify GOM Pipeline Hazards (detail) *Does the process require identification of pipelines in the Gulf of Mexico at risk of being exposed underwater or hazards to navigation?* (PD.RW.GOMHAZARD.P) (detail)

192.612(a) (192.612(c)(2); 192.612(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Telephonic Reporting: Exposed Pipe GOM and inlets (detail) *Does the process include telephonic notification to the National Response Center of exposed or navigation hazard pipe in the Gulf of Mexico and its inlets?* (RPT.RR.TELREPORTGOM.P) (detail)

192.605(b)(1) (192.612(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Field Review - Field Review Pipe

1. Transmission Line Valve Spacing (detail) *Are transmission line valves being installed as required of §192.179?* (DC.DPC.VALVESPACE.O) (detail)

192.141 (192.179(a); 192.179(b); 192.179(c); 192.179(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Cathodic Protection Monitoring Criteria (detail) *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?* (TD.CPMONITOR.MONITORCRITERIA.O) (detail)

192.463(a)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

3. Rectifier or other Impressed Current Sources (detail) *Are impressed current sources properly maintained and are they functioning properly?* (TD.CPMONITOR.CURRENTTEST.O) (detail)

192.465(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the transmission project's design and construction comply with §192.476?* (DC.DPC.INTCORRODE.O) (detail)

192.476(a) (192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Atmospheric Corrosion Monitoring (detail) *Is pipe that is exposed to atmospheric corrosion protected?* (TD.ATM.ATMCORRODEINSP.O) (detail)

192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Requirement to Identify GOM Pipeline Hazards (detail) *Are pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation marked as required?* (PD.RW.GOMHAZARD.O) (detail)

192.612(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Continuing Surveillance (detail) *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?* (MO.GO.CONTSURVEILLANCE.O) (detail)

192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Placement of ROW Markers (detail) *Are line markers placed and maintained as required?* (PD.RW.ROWMARKER.O) (detail)

192.707(a) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Placement of ROW Markers (detail) *Are line markers placed and maintained as required for above ground pipelines?* (PD.RW.ROWMARKERABOVE.O) (detail)

192.707(c) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

10. Transmission Lines Testing of Repairs (detail) *Does the operator properly test replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTTEST.O) (detail)*

192.719(a) (192.719(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate? (MO.GMOPP.PRESSREGTEST.O) (detail)*

192.739(a) (192.739(b); 192.743)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

12. Valve Maintenance Transmission Lines (detail) *Are field inspection and partial operation of transmission line valves adequate? (MO.GM.VALVEINSPECT.O) (detail)*

192.745(a) (192.745(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Prevention of Accidental Ignition (detail) *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition. (AR.RMP.IGNITION.O) (detail)*

192.751(a) (192.751(b); 192.751(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Field Review - Field Review - Compressor

1. Compressor Station Design/Construction - Exits (detail) *Does each main compressor building operating floor have at least two separated, easily accessed and unobstructed exits to a place of safety, main compressor building exits that have door latches that can be readily opened without a key, and main compressor building exit doors mounted to swing outward? (FS.CS.BLDGEXITS.O) (detail)*

192.163(c)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Compressor Station Design/Construction - Fence Gates (detail) *Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied? (FS.CS.FENCEGATES.O) (detail)*

192.163(d)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

3. Compressor Station Design/Construction - NFPA 70 (detail) Does the equipment and wiring within compressor stations conform to National Electric Code, ANSI/NFPA 70, including the required posting or ready access of the permit? (FS.CS.CMPNFPA70.O) (detail)

192.163(e)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

4. Compressor stations Liquid Removal (detail) Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165? (DC.DPCCMP.CMPLIQPROT.O) (detail)

192.141 (192.165(a); 192.615(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

5. Compressor Station Design/Construction - ESD Gas Discharge (detail) Does each compressor station have an emergency shutdown system that is capable of safely discharging blowdown gas from the blowdown piping at a location where the gas will not create a hazard? (FS.CSSYSPROT.ESDGASDISCH.O) (detail)

192.167(a)(2)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Compressor Station Design/Construction - ESD Gas Block (detail) Does each compressor station have an emergency shutdown system that is capable of blocking gas out of the station and blow down the station piping? NOTE: Not required for field compressor stations of 1,000 horsepower (746 kilowatts) or less. (FS.CSSYSPROT.ESDGASBLK.O) (detail)

192.167(a)(1)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Compressor Station Design/Construction - ESD (detail) Does each compressor station have an emergency shutdown system that is capable of shutting down gas compressing equipment and gas fires in the vicinity of gas headers and compressor buildings? (FS.CSSYSPROT.ESDGASSD.O) (detail)

192.167(a)(3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

8. Compressor Station Design/Construction - ESD Electrical (detail) Does each compressor station have an emergency shutdown system that is capable of shutting down electrical facilities (except emergency and equipment protection circuits) near gas headers and within compressor buildings? (FS.CSSYSPROT.ESDELECSO.O) (detail)

192.167(a)(3)(i) (192.167(a)(3)(ii))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

9. Compressor Station Design/Construction - ESD Locations (detail) Does each compressor station have an emergency shutdown system that is capable of being operated from at least two locations which are: 1) Outside the gas area of the station, 2) Near the exit gates, if the station is fenced, or near emergency exits, if not fenced, 3) And not more than 500 feet (153 meters) from the limits of the station? (FS.CSSYSPROT.ESDLOCATION.O) (detail)

192.167(a)(4)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

10. Compressor Station Design/Construction - Distribution Supply ESD (detail) *Does each compressor station that supplies gas directly to a distribution system (with no other adequate sources of gas available) have an emergency shutdown system that will not function at the wrong time or cause unintended outages? (FS.CSSYSROT.ESDDISTSD.O) (detail)*

192.167(b)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Compressor Station Design/Construction - Unattended Platform ESD (detail) *Does each unattended platform compressor station located offshore or in inland navigable waters have an emergency shutdown system that will actuate automatically in the event of the following occurrences? 1) When gas pressure equals the MAOP plus 15 percent and, 2) When an uncontrolled fire occurs on the platform. (FS.CSSYSROT.UNATTPLATCMPSD.O) (detail)*

192.167(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

12. Compressor Station Design/Construction - Fire Protection (detail) *Do compressor stations have adequate fire protection facilities? (FS.CSSYSROT.CMPFP.O) (detail)*

192.171(a)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Compressor Station Design/Construction - Over-Speed Protection (detail) *Do compressor stations' prime movers other than electrical induction or synchronous motors have automatic shutdown devices that will prevent over-speed of the prime mover or the unit being driven? (FS.CSSYSROT.CMPOVSPD.O) (detail)*

192.171(b)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

14. Compressor Station Design/Construction - Lubrication (detail) *Do compressor units have shutdown or alarm devices that will operate in the event of inadequate heating or lubrication? (FS.CSSYSROT.CMPLUBPROT.O) (detail)*

192.171(c)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

15. Compressor Station Design/Construction - Gas Engine Shutdown (detail) *Are compressor station gas engines that operate with pressure gas injection equipped so that stoppage of the engine will result in the fuel being automatically shut off and the engine distribution manifold being vented? (FS.CSSYSROT.CMPGASENGSD.O) (detail)*

192.171(d)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

16. Compressor Station Design/Construction - Gas Engine Mufflers (detail) *Are gas engines in compressor stations equipped with mufflers that prevent gas from being trapped in the muffler? (FS.CSSYSROT.CMPGASENGMFL.O) (detail)*

192.171(e)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

17. Compressor Station Design/Construction - Ventilation (detail) *Are compressor station buildings ventilated to ensure employees are not endangered by accumulation of gas in enclosed areas? (FS.CS.CMPBLDGVENT.O) (detail)*

192.173	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

18. Cathodic Protection of Underground Piping (detail) *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192? (TD.CP.PRE1971.O) (detail)*

192.457(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

19. Atmospheric Corrosion Monitoring (detail) *Is pipe that is exposed to atmospheric corrosion protected? (TD.ATM.ATMCORRODEINSP.O) (detail)*

192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

20. Start-Stop Procedures (detail) *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded? (DC.MO.MAOPLIMIT.O) (detail)*

192.605(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

21. Normal Operations and Maintenance Procedures - History (detail) *Are construction records, maps and operating history available to appropriate operating personnel? (MO.GO.OMHISTORY.O) (detail)*

192.605(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

22. Compressor Station - Emergency Response Plan (detail) *Are emergency response plans for selected compressor stations kept on site? (FS.CS.CMPERP.O) (detail)*

192.605(a) (192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

23. Compressor Station Design/Construction - Pressure Relief (detail) *Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly? (FS.CSSYSROT.CMPRELIEF.O) (detail)*

192.199 (192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

24. Compressor Stations - Storage of Combustible Materials (detail) *Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by §192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.O) (detail)*

192.735(a) (192.735(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

25. Compressor Station Gas Detection (detail) *Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings? (FS.CSSYSROT.CMPGASDET.O) (detail)*

192.736(a) (192.736(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Performance and Records Review - Conversion to Service

1. Conversion to Service (detail) *Do records indicate the process was followed for converting any pipelines into Part 192 service? (MO.GC.CONVERSION.R) (detail)*

192.14(a) (192.14(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Performance and Records Review - Reporting

1. Immediate Reporting: Incidents (detail) *Do records indicate immediate notifications of incidents were made in accordance with 191.5? (RPT.RR.IMMEDREPORT.R) (detail)*

191.5(a) (191.7(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

2. Incident Reports (detail) *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.2 (01-2002) within the required timeframe? (RPT.RR.INCIDENTREPORT.R) (detail)*

191.15(a)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

3. Supplemental Incident Reports (detail) *Do records indicate accurate supplemental incident reports were filed and within the required timeframe? (RPT.RR.INCIDENTREPORTSUPP.R) (detail)*

191.15(c)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

4. Annual Report Records (detail) *Have complete and accurate Annual Reports been submitted?*
(RPT.RR.ANNUALREPORT.R) (detail)

191.17(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Safety Related Condition Reports (detail) *Do records indicate safety-related condition reports were filed as required?* (RPT.RR.SRCR.R) (detail)

191.23(a) (191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Offshore Pipeline Condition Reports (detail) *Do records indicate reports were submitted within 60 days of completing inspections of underwater pipelines?* (RPT.RR.OPCR.R) (detail)

191.27(a) (191.27(b); 192.612(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. NPMS: Abandoned Underwater Facility Reports (detail) *Do records indicate reports were filed for abandoned offshore pipeline facilities or abandoned onshore pipeline facilities that crosses over, under or through a commercially navigable waterway?* (RPT.RR.NPMSABANDONWATER.R) (detail)

192.727(g)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. NPMS: Annual Updates (detail) *Do records indicate NPMS submissions were updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?* (RPT.RR.NPMSANNUAL.R) (detail)

Pipeline Safety Improvement Act of 2002 (49 USC 60132) (Advisory Bulletin ADB-08-07)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Performance and Records Review - Construction

1. Welding Procedures (detail) *Do records indicate weld procedures are being qualified in accordance with §192.225?*
(DC.WELDPROCEDURE.WELD.R) (detail)

192.225(a) (192.225(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Qualification of Welders (detail) *Do records indicate adequate qualification of welders?*
(TQ.QUOMCONST.WELDER.R) (detail)

192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.328(a); 192.328(b); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

3. Inspection and Test of Welds (detail) Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by §192.241(a)? (DC.WELDINS.P.WELDVISUALQUAL.R) (detail)

192.241(a) (192.241(b); 192.241(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Qualification of Nondestructive Testing Personnel (detail) Do records indicate the qualification of nondestructive testing personnel? (TQ.QUOMCONST.NDT.R) (detail)

192.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Nondestructive Test and Interpretation Procedures (detail) Do records indicate that NDT implementation is adequate? (DC.WELDINS.P.WELDNDT.R) (detail)

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Transmission Lines Record Keeping (detail) Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.R) (detail)

192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Underground Clearance (detail) Do records indicate pipe is installed with clearances in accordance with §192.325, and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEAR.R) (detail)

192.325(a) (192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Depth of Cover - Onshore (detail) Is onshore piping minimum cover as specified in §192.327? (DC.CO.COVER.R) (detail)

192.327(a) (192.327(b); 192.327(c); 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Cathodic Protection post July 1971 (detail) Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering? (TD.CP.POST1971.R) (detail)

192.491(c) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Performance and Records Review - Operations and Maintenance

1. Outer Continental Shelf (detail) Do records indicate specific point(s) at which operating responsibility transfers to a producing operator, as applicable? (MO.GO.OCS.R) (detail)

192.10	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Customer Notification (detail) Do records indicate the customer notification process satisfies the requirements of 192.16? (MO.GO.CUSTNOTIFY.R) (detail)

192.16(d) (192.16(a); 192.16(b); 192.16(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Normal Maintenance and Operations (detail) Has the operator conducted annual reviews of the written procedures in the manual as required? (MO.GO.OMANNUALREVIEW.R) (detail)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Abnormal Operations (detail) Did personnel respond to indications of abnormal operations as required by procedures? (MO.GO.ABNORMAL.ABNORMAL.R) (detail)

192.605(a) (192.605(c)(1))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Normal Operations and Maintenance Procedures - History (detail) Are construction records, maps and operating history available to appropriate operating personnel? (MO.GO.OMHISTORY.R) (detail)

192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Normal Operations and Maintenance Procedures - Review (detail) Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found? (MO.GO.OMEFFECTREVIEW.R) (detail)

192.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Holders (detail) Do records indicate systematic and routine testing and inspection of pipe-type or bottle-type holders? (MO.GM.HOLDER.R) (detail)

192.603(b) (192.605(b)(10))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

8. Abnormal Operations Review (detail) Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation procedures and corrective action taken where deficiencies are found? (MO.GOABNORMAL.ABNORMALREVIEW.R) (detail)

192.605(a) (192.605(c)(4))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

9. Change in Class Location Required Study (detail) Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location? (MO.GOCLASS.CLASSLOCATESTUDY.R) (detail)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

10. Requirement to Identify GOM Pipeline Hazards (detail) Do records indicate steps taken to identify and inspect pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation? (PD.RW.GOMHAZARD.R) (detail)

192.709(c) (192.612(a); 192.612(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Damage Prevention Program (detail) Does the damage prevention program meet minimum requirements specified in §192.614(c)? (PD.OC.PDPROGRAM.R) (detail)

192.614(c)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

12. Emergency Response Performance (detail) Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency? (EP.ERG.POSTEVENTREVIEW.R) (detail)

192.605(a) (192.615(b)(1); 192.615(b)(3))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Emergency Response Training (detail) Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures? (EP.ERG.TRAINING.R) (detail)

192.605(a) (192.615(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

14. Liaison with Public Officials (detail) Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures? (EP.ERG.LIAISON.R) (detail)

192.605(a) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); ADB-05-03)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

15. Audience Identification Records (detail) *Do records identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents to which it sends public awareness materials and messages? (PD.PA.AUDIENCEID.R) (detail)*

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2;
API RP 1162 Section 3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

16. Educational Provisions (detail) *Did delivered messages specifically include provisions to educate the public, emergency officials, local public officials, and excavators on: (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with unintended releases from a gas pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a gas pipeline release; and (5) Procedures to report such an event? (PD.PA.EDUCATE.R) (detail)*

192.616(d) (192.616(f))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

17. Messages on Pipeline Facility Locations (detail) *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations? (PD.PA.LOCATIONMESSAGE.R) (detail)*

192.616(e) (192.616(f))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

18. Baseline Message Delivery Frequency (detail) *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1 through Table 2.3? (PD.PA.MESSAGEFREQUENCY.R) (detail)*

192.616(c) (API RP 1162 Table 2-1; API RP 1162 Table 2-2; API
RP 1162 Table 2-3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

19. Liaison with Emergency and Other Public Officials (detail) *Have liaisons been established and maintained with appropriate fire, police, and other public officials? (PD.PA.LIAISON.R) (detail)*

192.616(c) (API RP 1162 Section 4.4)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

20. Other Languages (detail) *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas? (PD.PA.LANGUAGE.R) (detail)*

192.616(g) (API RP 1162 Section 2.3.1)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

21. Evaluate Program Implementation (detail) *Has an audit or review of the operator's program implementation been performed annually since the program was developed? (PD.PA.EVALIMPL.R) (detail)*

192.616(c) (192.616(i); API RP 1162 Section 8.3)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

22. Acceptable Methods for Program Implementation Audits (detail) *Was one or more of the three acceptable methods (i.e., internal assessment, 3rd-party contractor review, or regulatory inspections) used to complete the annual audit or review of program implementation?* (PD.PA.AUDITMETHODS.R) (detail)

192.616(c) (192.616(i); API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

23. Program Changes and Improvements (detail) *Were changes made to improve the program and/or the implementation process based on the results and findings of the annual audit(s)?* (PD.PA.PROGRAMIMPROVE.R) (detail)

192.616(c) (API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

24. Evaluating Program Effectiveness (detail) *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?* (PD.PA.EVALEFFECTIVENESS.R) (detail)

192.616(c) (API RP 1162 Section 8.4)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

25. Measure Program Outreach (detail) *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?* (PD.PA.MEASUREOUTREACH.R) (detail)

192.616(c) (API RP 1162 Section 8.4.1)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

26. Measure Understandability of Message Content (detail) *In evaluating program effectiveness, was the percentage of each stakeholder audience that understood and retained the key information from the messages determined?* (PD.PA.MEASUREUNDERSTANDABILITY.R) (detail)

192.616(c) (API RP 1162 Section 8.4.2)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

27. Measure Desired Stakeholder Behavior (detail) *In evaluating program effectiveness, was evaluation made of whether appropriate preventive, response, and mitigative behaviors were understood and likely to be exhibited?* (PD.PA.MEASUREBEHAVIOR.R) (detail)

192.616(c) (API RP 1162 Section 8.4.3)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

28. Measure Bottom-Line Results (detail) *Were bottom-line results of the program measured by tracking third-party incidents and consequences including: (1) near misses, (2) excavation damages resulting in pipeline failures, (3) excavation damages that do not result in pipeline failures?* (PD.PA.MEASUREBOTTOM.R) (detail)

192.616(c) (API RP 1162 Section 8.4.4)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

29. Program Changes (detail) *Were needed changes and/or modifications to the program identified and documented based on the results and findings of the program effectiveness evaluations?* (PD.PA.CHANGES.R) (detail)

192.616(c) (API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

30. Pressure Test Results (detail) *From the review of the results of pressure tests, do the test records validate the pressure test?* (AR.PTI.PRESSTESTRESULT.R) (detail)

192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.617; 192.919(e); 192.921(a)(2); B31.8S Section 6.3.4)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

31. Upgrading (detail) *Do records indicate the pressure upgrading process was implemented per the requirements of 192.553?* (MO.GO.UPRATE.R) (detail)

192.553(b) (192.553(a); 192.553(c); 192.553(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

32. Maximum Allowable Operating pressure (detail) *Do records indicate determination of the MAOP of pipeline segments in accordance with §192.619 and limiting of the operating pressure as required?* (MO.GOMAOP.MAOPDETERMINE.R) (detail)

192.709(c) (192.619(a); 192.619(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

33. Odorization of Gas (detail) *Do records indicate appropriate odorization of its combustible gases in accordance with its procedures and conduct of the required testing to verify odorant levels met requirements?* (MO.GOODOR.ODORIZE.R) (detail)

192.709(c) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

34. Patrolling Requirements (detail) *Do records indicate that ROW surface conditions have been patrolled as required?* (PD.RW.PATROL.R) (detail)

192.709(c) (192.705(a); 192.705(b); 192.705(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

35. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations as required and at the specified intervals?* (MO.GMOPP.PRESSREGTEST.R) (detail)

192.709(c) (192.739(a); 192.739(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

36. Pressure Limiting and Regulating Stations Capacity of Relief Devices (detail) *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required and a new or additional device installed if determined to have insufficient capacity? (MO.GMOPP.PRESSREGCAP.R) (detail)*

192.709(c) (192.743(a); 192.743(b); 192.743(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

37. Leakage Surveys (detail) *Do records indicate leakage surveys conducted as required? (PD.RW.LEAKAGE.R) (detail)*

192.709(c) (192.706; 192.706(a); 192.706(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

38. Valve Maintenance Transmission Lines (detail) *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary? (MO.GM.VALVEINSPECT.R) (detail)*

192.709(c) (192.745(a); 192.745(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

39. Compressor Station Design/Construction - Pressure Relief (detail) *Do records document with adequate detail that all inspection and testing of compressor station pressure relief devices with the exception of rupture disks have occurred at the required interval? (FS.CSSYSROT.CMPRELIEF.R) (detail)*

192.709(b) (192.709(c); 192.731(a); 192.731(b); 192.731(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

40. Compressor Station Design/Construction - Gas Detection (detail) *Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required? (FS.CSSYSROT.CMPGASDETOM.R) (detail)*

192.709(c) (192.736(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

41. Prevention of Accidental Ignition (detail) *Do records indicate personnel followed procedures for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion? (MO.GM.IGNITION.R) (detail)*

192.709 (192.751(a); 192.751(b); 192.751(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

42. Vault Inspection (detail) *Do records document inspections at the required interval of all vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment? (FS.FG.VAULTINSPECTFAC.R) (detail)*

192.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Performance and Records Review - Operator Qualification

1. Qualification Records for Personnel Performing Covered Tasks (detail) *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?* (TQ.OQ.RECORDS.R) (detail)

192.807	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Contractor and Other Entity Qualification (detail) *Are adequate records maintained for contractor personnel qualifications that contain the required elements?* (TQ.OQ.OQCONTRACTOR.R) (detail)

192.807(a) (192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Performance and Records Review - Corrosion Control

1. Corrosion Control Personnel Qualification (detail) *Do records indicate qualification of personnel implementing pipeline corrosion control methods?* (TQ.QU.CORROSION.R) (detail)

192.453 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. New Buried Pipe Coating (detail) *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under §192.455(b)?* (TD.COAT.NEWPIPE.R) (detail)

192.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Conversion to Service - Pipe Coating (detail) *Do records document that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)?* (TD.COAT.CONVERTPIPE.R) (detail)

192.491(c) (192.452(a); 192.455(a)(1); 192.455(a)(2); 192.455(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CP.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

5. Examination of Exposed Portions of Buried Pipe (detail) *Do records adequately document that exposed buried piping was examined for corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.R) (detail)

192.491(c) (192.459)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

6. Cathodic Protection Monitoring (detail) *Do records adequately document cathodic protection monitoring tests have occurred as required?* (TD.CPMONITOR.TEST.R) (detail)

192.491(c) (192.465(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

7. Rectifier or other Impressed Current Sources (detail) *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?* (TD.CPMONITOR.CURRENTTEST.R) (detail)

192.491(c) (192.465(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

8. Bonds, Diodes and Reverse Current Switches (detail) *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.R) (detail)

192.491(c) (192.465(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

9. Correction of Corrosion Control Deficiencies (detail) *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.R) (detail)

192.491(c) (192.465(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

10. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Do records adequately document the re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?* (TD.CP.UNPROTECT.R) (detail)

192.491(c) (192.465(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

11. Isolation from Other Metallic Structures (detail) *Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?* (TD.CP.ELECISOLATE.R) (detail)

192.491(c) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

12. Test Leads Installation (detail) *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? (TD.CPMONITOR.TESTLEAD.R) (detail)*

192.491(c) (192.471(a); 192.471(b); 192.471(c); 192.469)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

13. Interference Currents (detail) *Do records document that the operator has minimized the detrimental effects of stray currents when found? (TD.CPMONITOR.INTFRCURRENT.R) (detail)*

192.491(c) (192.473(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

14. Internal Corrosion (detail) *Do records document if corrosive gas is being transported by pipeline, including the investigation of the corrosive effect of the gas on the pipeline and steps that have been taken to minimize internal corrosion? (TD.ICP.CORRGAS.R) (detail)*

192.491(c) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

15. Internal Corrosion in Cutout Pipe (detail) *Do records document examination of removed pipe for evidence of internal corrosion? (TD.ICP.EXAMINE.R) (detail)*

192.491(c) (192.475(a); 192.475(b))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

16. Internal Corrosion Control: Design and Construction (192.476) (detail) *Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of §192.476? (DC.DPC.INTCORRODE.R) (detail)*

192.476(a) (192.476(b); 192.476(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

17. Internal Corrosion Corrosive Gas Actions (detail) *Do records document the actions taken when corrosive gas is being transported by pipeline? (TD.ICP.CORRGASACTION.R) (detail)*

192.491(c) (192.477)

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

18. Atmospheric Corrosion Monitoring (detail) *Do records document inspection of aboveground pipe for atmospheric corrosion? (TD.ATM.ATMCORRODEINSP.R) (detail)*

192.491(c) (192.481(a);
192.481(b); 192.481(c))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

19. Repair of Internally Corroded Pipe (detail) *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*
(TD.ICP.REPAIR.R) (detail)

192.485(a) (192.485(b))

Sat +	Sat	Concern	Unsat	NA	NC
--------------	------------	----------------	--------------	-----------	-----------

Notes

20. Evaluation of Internally Corroded Pipe (detail) *Do records document adequate evaluation of internally corroded pipe?* (TD.ICP.EVALUATE.R)
(detail)

192.491(c) (192.485(c))

Sat +	Sat	Concern	Unsat	NA	NC
--------------	------------	----------------	--------------	-----------	-----------

Notes

Alternative MAOP - Alternative MAOP

*** 1. Alternate MAOP Calculation (detail)** Does the AMAOP process include appropriate factors and considerations for calculating the alternative MAOP? (MO.AMAOP.CALC.P) (detail)

192.605(a) (192.620(a))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

2. Alternate MAOP Calculation (detail) Do records indicate appropriate calculation of the alternative MAOP? (MO.AMAOP.CALC.R) (detail)

192.605(a) (192.620(a))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

*** 3. Alternate MAOP Conditions (detail)** Does the AMAOP process include conditions on the application of alternative MAOP? (MO.AMAOP.CONDITIONS.P) (detail)

192.605(a) (192.620(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

4. Alternate MAOP Conditions (detail) Do records indicate the AMAOP process satisfied the conditions on application of an alternative MAOP? (MO.AMAOP.CONDITIONS.R) (detail)

192.605(a) (192.620(b))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

*** 5. Alternate MAOP Requirements (detail)** Does the AMAOP process include AMAOP requirements? (MO.AMAOP.REQUIREMENTS.P) (detail)

192.605(a) (192.620(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

6. Alternate MAOP Conditions (detail) Do records indicate the AMAOP requirements were met? (MO.AMAOP.REQUIREMENTS.R) (detail)

192.605(a) (192.620(c))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

*** 7. Alternate MAOP Additional O&M (detail)** Does the AMAOP process include additional O&M requirements? (MO.AMAOP.ADDITIONALOM.P) (detail)

192.605(a) (192.620(d))

Sat+

Sat

Concern

Unsat

NA

NC

Notes

PHMSA Form 1 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

8. Alternate MAOP Additional O&M (detail) *Do records indicate the additional AMAOP O&M requirements were met?*
(MO.AMAOP.ADDITIONALOM.R) (detail)

192.605(a) (192.620(d))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

*** 9. Alternate MAOP Overpressure Protection (detail)** *Does the AMAOP process include overpressure protection requirements?* (MO.AMAOP.OVERPRESS.P) (detail)

192.605(a) (192.620(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

10. Alternate MAOP Overpressure Protection (detail) *Do records indicate that overpressure protection requirements were met?* (MO.AMAOP.OVERPRESS.R) (detail)

192.605(a) (192.620(e))

Sat+	Sat	Concern	Unsat	NA	NC
------	-----	---------	-------	----	----

Notes

Acceptable Use: Inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.